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RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 1771

PATENT
Attorney Docket No. 207138
Client Reference No. 20762

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Nakagawa et al.

Application No. 09/705,838

Filed: November 3, 2000

For: ADHESIVE TAPE AND SUBSTRATE
FOR ADHESIVE TAPE

Art Unit: 1771

Examiner: V. Chang

RESPONSE TO OFFICE ACTION

Commissioner for Patents
Box AF
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated November 7, 2002, please consider the following remarks.

REMARKS

The Present Invention

The present invention relates to adhesive tape and a substrate for the adhesive tape. One of the characteristics of the adhesive tape and a substrate therefor is Component B: a propylene/ethylene copolymer obtained by multi-step polymerization involving two or more steps. Component B has a dynamic storage modulus (E') at 23°C of not less than 200 MPa and less than 400 MPa, a dynamic storage modulus (E') at 80°C of not less than 40 MPa and less than 180 MPa, and a dynamic storage modulus (E') at 120°C of not less than 12 MPa and less than 70 MPa. By use of Component B with the above-identified properties, the adhesive tape is free from the generation of dioxin and toxic gas upon incineration. Additionally, the use of Component B ensures the adhesive tape has high levels of resistance to thermal deformation and flame resistance. Moreover, use of Component B provides an adhesive tape with high levels of stretchability, which is beneficial in winding a tape.

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